ABSTRACT OF THE DISCLOSURE

An electric fish barrier for deterring fish from entering a water intake in a reservoir or along a waterway has a set of conductive members at a first voltage potential and a second set of conductive members at a second voltage potential. The conductive members are disposed on support piles extending up from the bottom of the reservoir. Each conductive member extends vertically between a pre-determined range of depths from an upper depth to a lower depth, forming a contiguous voltage gradient between the two sets of conductive members. Fish are drawn to the attraction flow of water flowing into the intake. The two sets of conductive members are oriented such that the attraction flow passes through the contiguous voltage gradient, thereby deterring the fish from following the attraction flow into the water intake.